Questions

1) Run a query to identify any recipients with diabetes. Define as diabetic any recipient who had at least two claims on different dates of service with a primary or secondary diagnosis of 250.xx in the past two years. In order to limit results to claims where diagnosis is reliable, exclude the following categories of service:
Dental
Portable X-Ray
Optical Supplies
Medical Supplies
Emergency Ambulance Transportation
Non-Emergency Ambulance Transportation
Medicar Transportation
Taxicab
Service Car
Auto transportation (private)
Other Transportation

   How many clients meet the criteria?

2) Did the recipient(s) identified in question 1 have a HbA1c test in the past year *(dates of service of September 01, 2013 through August 31, 2014)*? Identify a HbA1c test using CPT proc code 83036 or 83037.

3) Calculate the total spending in the past year (dates of service of September 01, 2013 through August 31, 2014) for the recipient(s) identified in question 1. What are the total medical and the total pharmacy amounts?

4) List the number of fills, NDC, and drug name for the most filled drug for the recipient(s) identified in question 1.

5) List the ingredients for all compound drugs the recipient(s) identified in question 1 had a claim for, by claim.

Answers

1) 2 recipients (recipientid = '000000001' and '000000002')

2) Both recipients did (recipientid = '000000001' and '000000002')

3) Total medical = $43,835.63 and total pharmacy = $4,737.28

4)

NDC	Label name	Total fills
57664060088	ISOSORBIDE DN ER 40 MG TABLET	10
00406036705	HYDROCODON-ACETAMINOPHN 10-325	5

5)

DCN	NDC	Units
201319123412784	00409651001	1
201319123412784	00338004903	3,500
201319123412935	00409651001	1
201319123412935	00338004903	1,500
201319123414337	00409651001	2
201319123414337	00338004903	4,500
201334123465948	00781317796	1
201334123465948	00338055318	100
201334123467932	00781317796	3
201334123467932	00338055318	300
201335123436822	00781317796	3
201335123436822	00338055318	300
201336123443366	00781317796	3
201336123443366	00338055318	300

SQL

1) sel distinct a.recipientid,
   count (distinct b.servicefromdt) as numberservicedates
   from samplediag a join
   samplemainclaims b on a.dcn=b.dcn and a.servicelinenbr=b.servicelinenbr and
   a.rejectionstatuscd=b.rejectionstatuscd
   and a.recipientid=b.recipientid and a.adjudicateddt=b.adjudicateddt
   where diagcd like '250%' and CatgofServiceCd not in ('002','044',
   '045','048','050','051','052','053', '054','055','056')
   and a.rejectionstatuscd = 'N' and b.servicefromdt between '2012-09-01' and
   '2014-08-31'
   group by 1
   having numberservicedates > 1;

2) sel distinct a.recipientid from sampleproc a join
   samplemainclaims b on a.dcn=b.dcn and a.servicelinenbr=b.servicelinenbr and
   a.rejectionstatuscd=b.rejectionstatuscd
   and a.recipientid=b.recipientid and a.adjudicateddt=b.adjudicateddt
   where proccd in ('83036', '83037')
   and procprefixcd = '3' and servicefromdt between '2013-09-01' and '2014-08-31'
   and a.rejectionstatuscd = 'N'
   and a.recipientid in ('000000001', '000000002')
   order by 1;

```sql
3)  sel sum (EncounterPriceAmt+NetLiabilityAmt)
    from samplemainclaims
    where recipientid in ('000000001', '000000002') and servicefromdt between
    '2013-09-01' and '2014-08-31' and rejectionstatuscd = 'N' ;

    sel sum (EncounterPriceAmt+NetLiabilityAmt)
    from samplepharmacy
    where recipientid in ('000000001', '000000002') and servicefromdt between
    '2013-09-01' and '2014-08-31';

4)  sel count (distinct dcn) ,
    nationaldrugcd,
    labelname
    from samplepharmacy
    where recipientid = '000000001'
    group by 2,3
    order by 1 desc;

    sel count (distinct dcn) ,
    nationaldrugcd,
    labelname
    from samplepharmacy
    where recipientid = '000000002'
    group by 2,3
    order by 1 desc;

5)  sel b.dcn,
    b.nationaldrugcd,
    b.IngrQuan
     from
    samplepharmacy a join
    samplecompound b on a.dcn = b.dcn and a.servicelinenbr = b.servicelinenbr and
    a.recipientid=b.recipientid
    and a.adjudicateddt= b.adjudicateddt
    where compoundcd = '2' and a.recipientid in ('000000001' , '000000002')
    order by 1, 3;
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